

# Y-12 BULLET

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12

OAK RIDGE, TENNESSEE

Tuesday, October 19, 1948

# Lack Of Control **Makes Security Need Important**

A short three years has passed since the atomic blasts at Nagasaki and Hiroshima revealed that man had developed the means of de-stroying himself. Those and sub-sequent explosions of atomic wea-pons have demonstrated that atomic warfare presents a dreadful menace to the human race and that the eventual benefits of peacetime use of atomic energy cannot be en-joyed if there is no one left to enjoy them.

#### International Controls Stalled

The continuous efforts of the United States to effect a system of international controls of the use of atomic energy is evidence of the policy of the nation to make this great discovery available for the benefit of all mankind. However, two years or more have passed since the United Nations began studying the problem and almost no progress has been made.

Therefore, the United States has been placed in the position of having to continue the manufacture of more and better atomic weapons and jealously guard its atomic energy secrets. ergy secrets.

It is believed that because of the acceptance of security regula-tions by persons connected with the United States atomic energy program that this country still has a monopoly on secret processes used in manufacture of the atomic bomb. However, it also is recognized that this monopoly very probably is of a temporary nature.

Secrecy Must Be Maintained

Therefore, security authorities of the Atomic Energy Commission (Continued on Page 3)

### 10 Suggestions By Employees Are Accepted By Company

Ten more suggestions for the improvement of plant efficiency submitted by nine Y-12 employees have been accepted by the Company.

Two proposals by J. H. Stone, Dept. A15N, were among the ac-cepted suggestions. His sugges-numbers were No. 61270 and No.

Other employees whose suggestions were accepted, with their detions were accepted, with their departments and suggestions numbers include D. W. Foster, A12G, 64238; T. A. Williams, A12M, 62615; T. L. McCrary, A14N, 64345; A. R. Payment, B12H, 6495; R. L. Stanfill, B12H, 64205; Willie Stephens, B12H, 61687; L. E. Wilson, H12L, 64377; and C. A. Bolinger, H12L, 64387.



Y-12 Photos By Vince Moo. "LET'S PUT Y-12 OVER THE TOP REAL QUICK," IS THE theme of the chat Foreman R. D. Ellingson is having with Martha Beals over the Community Chest campaign, which opened in the plant last week. Both are in Dept. B12H.

# Chest Drive In Y-12 Seen 'Over The Top' Early As First Campaign Reports Encouraging

Y-12 employees last week began to cheerfully dig down in their jeans and sign pledge cards for support of the 1948 Oak Ridge Community Chest drive that was officially launched last Thursday. With the campaign machinery set up in smooth style, it is hoped that the drive can be wound up in Y-12 to coincide with the Oak Ridge campaign next Saturday, October

Early Reports Encouraging

Early reports on campaign progress last Friday morning indicated that Y-12 would go "over the top" before many days have passed. Some small departments that completed their drive a few hours after receiving pledge cards promptly reported 100 per cent participation.

Pledge cards have been distribted by Line Supervision to every employee in the plant. Those hourly and weekly paid employees wishing to have their contributions taken out by payroll deductions may do so with the deductions made over a period of two months, beginning with the first pay check distributed in November. Monthly paid employees desiring to have their contribution deducted may have the sum taken out of the November 26 pay check.

Line Supervision and the plant coordinating committee headed by H. O. Ramey, Superintendent of the Employment Department, is stressing to all employees that the 1948 Community Chest budget of \$58,070.91 represents the needs for the coming year of vital and worthy community projects. The funds allocated to each Red funds allocated to each ked Feather agency are carefully checked by the board of directors of the Community Chest, composed of 24 representative citizens of Oak Ridge, which has reviewed the needs of each organization before appealing to the citizenry for support.

Dr. C. E. Larson, Y-12 Superintendent, is chairman of the Community Chest drive in the plant and Ramey is co-chairman. Other members of the coordinating com-

(Continued on Page 3)

GIVE --



clear Studies will offer four more courses in the techniques of using radioisotopes, beginning October weeks and are designed to teach 25, it has been announced by Dr. Ralph T. Overman, director of the radioisotope training program of the Institute. The Institute gave three such courses during the past summer and more than 250 research workers university presearch workers, university pro-fessors and doctors applied for the The Institute will select partici-

Institute To Give Four More

The new courses to be presented and the priority of personnel to attend follows:

October 25 — Industrial Labora-January 3, 1949 - Government

Laboratories. February 14, 1949—Medical Per-

Courses In Radioisotope Work The Oak Ridge Institute of Nu- | March 14, 1949 - No priority

scientists how to apply radioiso-topes, or "tracer atoms," to their own research. The field is so new that relatively few scientists in the country know how to properly use radioisotopes produced in Oak

pants in the courses, aided by the Isotopes Division and the Division of Biology and Medicine of the Atomic Energy Commission. Persons most nearly ready to use radioisotopes in their research will be given preference. The courses are about two-thirds laboratory work and one-third lectures and and seminars.

# Y-12 Exhibit To Be Included In 'Man And The Atom' Show Opening In Oak Ridge Saturday

The Atomic Energy Commission exhibit, "Man And The Atom," the feature attraction of the recent New York Golden Jubilee Exposition, will be presented in Oak Ridge for eight days, beginning Saturday, October 23, to give residents of the Atomic City and East Tennessee an opportunity to view the display that was seen by hundreds of thousands of persons in New

Three of the leading exhibits in the show will be those of Y-12, K-25 and the Oak Ridge National Laboratory, demonstrating the fundamental principles of the processor and in the Oak Pidge in esses used in the Oak Ridge in-stallations. The Y-12 exhibit dem-onstrates by mechanical analogy the electromagnetic process in use here. The exhibit separates steel balls of two different weights by dropping them through the field of a permanent magnet. The lighter balls are deflected more than the heavier balls, showing the analogy between Uranium 258 and Uran-ium 238 behavior in a magnetic field.

Text Explains Operation
In the exhibit un-ionized particles are represented by non-magnetic balls and therefore not deflected and a brief text on the side of the booth explains the pro-

When "Man And The Atom" is When "Man And The Atom" is placed on display in Oak Ridge, the installation and operation of the show will be done mostly by employees of the three Carbide plants here. In the New York show the Y-12 exhibit was attended by Leo Hemphill, Dept. A13W; C. D. Susano, Dept. H12D; John Harding, Dept. H12L; and George H. Linder, Dept. A13W.

The AEC show will be staged in a new warehouse recently com-

in a new warehouse recently com-pleted just west of the Elza Gate and admission will be free. To encourage attendance by persons living outside Oak Ridge both Elza and Edgemore gates will be open to the public during show hours, with no passes required. Proper traffic controls and ample parking space for the thousands of visitors expected will be provided.

Schedule For Exhibit

The schedule for the exhibit fol-

lows:

Saturday, October 23 and Sunday, October 24, 2 to 10 p. m., general public.

Monday, October 25 through

eral public.

Monday, October 25 through
Friday, October 29, 2 to 5 p.m.
for school students and 7 to 10
p. m. for the general public.
Saturday, October 30, 2 to 10
p. m., general public.
The exhibit, in addition to the
Carbide display, will include the
fundamental concepts of the operations of the Hanford, Wash.,
(Continued on Page 3)

# Seminar Will Hear Susano At Session

C. D. Susano, of Dept. H12D, will lead the session scheduled for tomorrow by the Y-12 Seminar on Research Techniques in place of Dr. A. S. Householder, of the Oak Ridge National Laboratory, who will be unable to attend because of previous committments. Dr. Householder originally was scheduled to hold the third of four sessions on the subject of Curve Fitting at the October 20 meeting and is expected to resume his leadership of the seminar sessions at the next scheduled meeting November 3.

Meeting Held In Cafeteria

The seminar session tomorrow will be held in the west end of the Y-12 cafeteria from 3 p.m. to 4:30

Susano will discuss the topic of Nomographs at the seminar meeting tomorrow. He already has leed one discussion on this subject and the talks will be resumed with a members of the seminar class being given an experiment. being given an opportunity to ac-tually construct a Nomograph during the class period.

Big Attendance Expected

As Nomographs are frequently used by Y-12 technical and scientific personnel in their work in the plant, a large attendance is expected at the seminar session to-morrow with possibly 200 being present.

The seminar sessions are scheduled to be held until the end of this year and a new schedule arranged then for 1949 meetings.

#### Y-12 Fire Department Votes **Against Union Participation**

In a National Labor Relations Board election in Y-12 last week, the Fire Department of the plant the Fire Department of the plant voted against having union representation. The election was held Monday, Tuesday and Wednesday, October 11, 12 and 13.

The Fire Department is to be complimented on maintaining its enviable record of 100 per cent participation in plant activities.

#### 'What An Atom Is' To Be Shown At AEC Show On Atomic Energy

Atomic Energy is a fact of Nature. Abruptly, the world was made aware of this new power at Hiroshima, Japan—power contribution of the fruits of the release of Atomic Energy. Children of today will be helped by this new factors of the fruits uted by the vast Oak Ridge plants. It ended World War II.

Its prudent use can make life happier, more secure and probably more abundant. It has proven useful to research in medicine, biology and agriculture and it is hoped that eventually this new force will prove useful in industry and even possibly to transportation

and power.

Science and industry have teamed up to pry more secrets from the atom. The government is presentations such as: a partner in the effort. The wel-fare of the world and therefore of the United States and its people Atom. is the objective.

force if they face courageously the future problems which this new

future problems which this new force brings with it. The exhibit which will be pre-sented at Oak Ridge, October 23-30 is intended to inform and entertain all who visit it. It is hoped it will help prepare the generations of tomorrow to meet realistically and wisely the problems of an

What an Atom is.

What is meant by splitting the

(Continued on Page 3)

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## Fine Eggplant Grown In Y-12 Man's Garden



S. D. Fulkerson and Eggplant

The accompanying photograph might well be called "The Eggplant and I" by Stanley D. Fulkerson, Dept. H12L, who raised the succul-Dept. H12L, who raised the succulent vegetable in his garden at 144 Outer Drive. The eggplant shown is 12 inches long, eight inches in diameter and is of the Burpee hybrid variety. It was grown on a plant of which the seeds cost two tents each and out of 15 seeds beauted 10 plants grew to maturity. planted 10 plants grew to maturity. Each plant has produced at least a bushel of eggplant and are still going strong, Fulkerson re-

East Tennessee does not have good eggplant producing soil and climate, Fulkerson said, but by planting the hybrid variety a crop can be grown. The soil must be well loosened and fairly heavily covered with manure and a mod-erate amount of 4-12-4 commercial fertilizer.

Fulkerson reports four results from his garden this season and is particularly proud of the eggplant and a strawberry crop.

# Hospital List The following Y-12 employees

were patients at the Oak Ridge Hospital last week: John R. Radin, Dept. H12L; Earle E. Murray, Dept. A12W; Orla D. Liechty, Dept. A14N; Emily W. Blanken-ship, Dept. B12H.

People who aren't afraid to roll up their sleeves seldom lose their of Dept. A12P, spent their vacashirts.

Elizabeth Cook, Mrs. Livingston.



Don Phillips, Dept. H12D, re-|Florida and in Memphis, Tenn. cently became a proud grandpaw.
His daughter, Mrs. Jean Worley, formerly of Oak Ridge, now of Raleigh, N. C., gave birth to a spending his vacation moving to bouncing five-pound baby girl . . . H. M. McLeod, newcomer to Dept. H12D and Oak Ridge, visited with his family at Sheffield, Ala. . . . Herb Clinton and Victor Defenderfer seem to be jumping ahead of Santa this year by doing their Christmas shopping early . . . Tom Mackey, A. Palco and Dave Crouse entertained friends and relatives at a recent Whittle Springs party . . . West Lewis of Mississippi and Jim Flynn of Knoxville moved their families to Oak Ridge over a recent week end . . . Nick ZaBenco made a hurried trip to Owensboro, Ky., because of sickness in the immediate family . . . H. P. Kackenmaster and his wife with their little daughter, Cindaellen, took a hiking trip in the Smokies . . . Elizabeth Young is on the vacation list . . . Warren Grimes is back on the job

after vacationing in Indiana Y-12 employees who attended the Lily Pons concert in Knoxville, Oc-

tober 11, were Bill Hoover, George

Nessle, Allen Westerdahl, son of George Westerdahl, L. O. Gilpat-

rick, C. D. Susano, all of Dept. H12D, and Dr. R. S. Livingston of Dept. H12E . . . Dorothy Daugh-erty returned recently from a vaca-

tion spent with relatives in Balti-

more, Md. June Nesser, Dept. B12A, and her husband made a week end trip to Chattanooga . . Mary Lou Pate also took in the sights of Chattanooga during a recent week end . . . L. H. "Sky" and Joyce Barker are spending their vacation in New York City and Washington, D. C. . . . H. J. "Shorty" Ratjen and family are entertaining guests family are entertaining from Flatbush, Brooklyn.

Andy Skritnansky, Dept. B12L, visited with his parents in Oliphant, Penn., and took a side trip to New York City . . . Ozella Ward spent a recent week end with her sister in Hopkinsville, Ky. . . . Hazel Johnson returned recently from a vacation spent visiting her family in Nicholsville, Va., and during the latter part of the week she toured through Greeneville, Johnson City and Kingsport, Tenn.

Vacation time found George Leichsenring, Dept. A13W, and his family in Chicago visiting with George's parents.

C. A. McAlister. Dept. A19N, is back on the job after vacationing in Chattanooga and points of interest in Georgia . . . A speedy recovery wish is extended to Edith Stott, who is ill in the Fort Sanders Hospital.

D. H. Dinsmore, Dept. A21N, is dividing his vacation time between Oak Ridge and Dandridge, Tenn., spending most of his time fishing.

Ray Duckworth, Dept. H12L, and his wife were guests of Dan Carter, former Y-12er, in Norman, Okla., during a recent vacation... A speedy recovery is wished for John Radin, who is ill in the Oak Ridge Hospital Ridge Hospital . . . Oliver Yonts, Dept. H12L and his wife, Eloise,

spending his vacation moving to his new farm near Oliver Springs.

Meta D. Butler, Dept. A16J, and her daughter, Betty Jo, Dept. A12J, are vacationing in Camden, Tenn. . . Winnie Miller, Dept. A12J, and some friends spent a recent week end at Kinzel Springs and also made a trip through the Smokies.

William Kinkleman, Dept. A14N, is back on the job after vacationing in New York City . . . B. W. Beckham is on the vacation list.

Leara Doss, Dept. B12H, attended a homecoming at her home in LaFollette recently. Madaline Acuff made a week-end trip to Louisville, Ky. . . . Mildred Crass is back on the job after vacationing at her home in Oliver Springs.

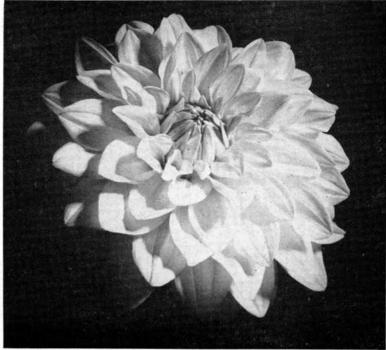
H. H. Hubbs, Dept. B12C, returned to work Monday after spending his vacation with rela-tives in Johnson City, Tenn. . . . G. A. Strasser and his family returned recently after vacationing in Nashville . . The department hopes to see Emma Henry, who is still on the sick list, back to work soon.

Danny Dimwit, that cute little character that manages to get into a peck of trouble by ignoring safety regulations, really is laid up this week. Rather, it is Danny's poppa, Gene Hill, Dept. B12L, who has been confined to his home be-cause of illness for several days and unable to produce a Danny cartoon for this week. Gene says it wasn't one of Danny's misadventures that caused his illness but just an onslaught of influenza.

G. M. Andranigian, Dept. H12D, returned recently from a vacation spent in California. While there he looked up Elizabeth Cook, former Y-12er, who is now making her home in Los Angeles with her sister, Mrs. Catherine Livingston, and he also visited Nancy Doane's cousin, Eleanor Doane. During the latter part of his vacation he visited friends and relatives in his home town, Kingsboro. The accompanying picture was taken in front



Elizabeth Cook, Andranigian and



"DAHLIA" IS THE TITLE OF THE ABOVE PICTURE which was made by Don Ross, Dept. H12E, and judged as the winning black and white print in the Carbide Camera Club's Oc-

## Ross Wins Camera Club Contest: Marks Y-12's Sixth Straight Win

Don Ross, Dept. H12E, won first prize in the Carbide Camera Club October print contest, and John Ramsey, Dept. H12D, captured second place for an about face from the September competition in which Ramsey took the top award and Ross settled for second place.

TURNER-FORBIS

The bride was given in marriage

A reception was held at Mrs. Adams' home following the cere-

Miss Forbis attended Central High School. The groom attended the University of Mississippi and

the University of Tennessee, where

he was a member of Kappa Alpha

H12L, and his family . . . A speedy recovery is wished for W. T. Hays who is on the sick list.

Following a honeymoon, couple will live in Knoxville.

ceremony

and a white orchid.

by her father.

mony.

fraternity.

Winning Print Showed Dahlia

Ross' print, entitled "Dahlia," was made by meter exposure on a Super Ironta B camera with Eastman Plus X film. He used Microdal for the development with Brovira silk paper. Ross toned the print with Edwal Magneta.

John Ramsey called his clever print on flowers, "Twin Cosmos." Y-12 members of the club have

Miss Barbara Forbis, of Knox-ville, became the bride of C. O. Turner, III, Dept. A13W, at 6:30 p. m. October 16, at the home of Mrs. Paul Adams, 3708 Knox Lane, Knoxyville, sister, of the bride. The captured all five of the monthly contests sponsored by the organi-zation. Foster Calloway took the first three contests, followed by Ramsey and Ross. Knoxville, sister of the bride. The Rev. Mr. Sailor performed the

Slide Contest In November

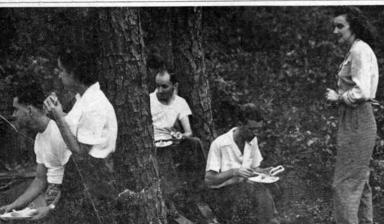
The November contest will be The bride is the daughter of Mr. and Mrs. E. C. Forbis, of Knoxville. Turner is the son of transparencies on flowers. All slides entered in this contest must be in by November 2. They C. O. Turner, Jr., of Memphis.
At her wedding the bride wore
a gray dress with black accessories may be left at Taylor's Photo Shop or at the home of Virgil Haynes, 114 East Holston Lane.

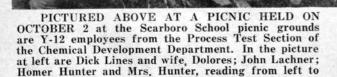
The club's next meeting is scheduled for November 9 at 7:30 p. m. in the club headquarters at the Y-12 East Portal. Mrs. Wanda Rucker, sister of the bride, was maid of honor. Eu-gene Church was best man.

Two births were reported to Y-12 families at the Oak Ridge a honeymoon, the Hospital last week. Parents were Mr. and Mrs. Richard W. Woodard, a girl, October 7; Mr. and Mrs. Mrs. Gerdie McNeil, of King, George R. Arms, a girl, tober 13. Ky., is visiting in Oak Ridge with her daughters and sons-in-law, W. E. Davis, Dept. A23J, and his family and Thomas Crabtree, Dept.

Don't look for a gas leak with a lighted match. You'll probably find it but won't be able to tell other people about it.









right. Sitting down to munch on their hot dogs in the center picture from left to right are Ted Higgins and Mrs. Higgins; Tom Tarwater and Jennie Pat Tatum; Dave Krause and Emma Russell; and Mrs. Dick Weichel. Bob Adams is shown roasting a wiener



at the picnic oven. In the picture at right, from left to right, are Mrs. Pete Kackenmaster and baby; Mrs. Herbert Clinton and daughter, Loretta Lee; Pete Kackenmaster; Mrs. Weichel and Dick Weichel. The pictures were taken by John Ramsey.



58229

STRESSING THE PROPER USE OF SAFETY GLASSES STRESSING THE PROPER USE OF SAFETI GLASSES by Y-12 employees, the Safety Department calls attention to the current Y-12 Photoposter displayed on calendars picturing employees who know the value of the protective equipment. From top to bottom the employees on the Photoposter are R. C. Winfree, Dept. A16N; Mary A. Roberson, Dept. B12L; Evelyn Frazier, Dept. B12C; Billy Boyd, Dept. B12C; Roy B. Roseberry, Dept. H12L; and George W. Carter, Dept. A16N.

# Chest Drive In Y-12 Seen 'Over The Top' Early As First Campaign Reports Encouraging

(Continued from Page 1)

mittee include Pat Hamrick, Industrial Relations; R. R. Tippy, Manufacturing Offices; L. E. Parsons, Research and Development; J. H. Harmon, Engineering; Nelson Tibbatts, Maintenance; and W. S. Herron, Chemical.

Advance Gifts Are Received

The campaign in Oak Ridge was given its official "kick-off" last Wednesday night at the Ridge Recreation Hall when approximately 150 Chest workers gathered to discuss the campaign. It was announced that considerably more than 10 per cent of the goal had been reached with advance gifts, including a contribution of \$5,000 from Carbide and Carbon Chemicals Corporation. This contribution does not include the money to be raised in the plant drives.

The fact again is stressed that the costs of the Community Chest campaign are held to a minimum, as in the past. There is no paid campaign director nor paid workers of any kind and the entire campaign costs are for postage, promotional material, posters, printed material and similar items. It also is pointed out that there is to be no house-to-house canvass in the campaign and that the drive will be conducted entirely in the plant and business firms of the city. With the exception of one appropriation of only \$65 to the National Social Welfare Assembly, all of the Chest funds raised in Oak Ridge are to be spent in Oak

The Community Chest budget of \$58,070.91 for the coming year includes the following items:

School lunches, \$7,500. Boy Scouts, \$9,953.91. Girl Scouts, \$11,979.50.

Hospitalization (for indigent persons not now provided for at the Oak Ridge Hospital), \$2,500.

National Social Welfare Assembly (1/12 of one per cent of total goal), \$65.

National Travelers Aid Association, \$120.

American Social Hygiene Association, \$100.

Crippled Children's Committee, \$6,500. (This item supplants the March of Dimes campaign previously held).

Dental Care Program, \$2,000. Chest Administrative Office (including campaign), \$2,352.50.

Reserve Fund (including uncollected pledges), \$15,000.

#### Y-12 ManAppointed **To Housing Group**

Paul Pennington, of Y-12, has been appointed to the area housing committee, set up by the Oak Ridge American Legion Post No. 199, to assist veterans with their housing problems. A representative from each of the Carbide plants in Oak Ridge has been appointed on the committee.

# Attendance Standing

Two new departments were formed in the Major League and one of them, Dept. A21N, Maintenance Services, topped the league for it's first appearance with a perfect attendance mark for the week ending October 10.

Dept. A12S Gains Third

Dept. A12S Gains Third
Dept. B12H, Refining, held onto
the second place position for the
second straight week with 1.1 per
cent of it's personnel absent. Refining was followed by Dept. A12S,
Receiving Stores and Shipping,
which rose from seventh place on
the preceding report to third place
on the present standing.

on the present standing.

The other new department in the Major League is Dept. A20N, Field Maintenance, which gave a good account of itself by capturing the fourth place in the standing on it's initial appearance.

fourth place in the standing on it's initial appearance.
Six Departments "All Present"
Six Departments in the Minor League reported "all present" for the present reporting period. They are Dept. A12R, Cafeteria; Dept. A12L, Employment; Dept. A12T, Automotive Repair; Dept. M13P, Product Processing; Dept. B12A, Superintendents; and Dept. A15N, Experimental Process Equipment and Maintenance.

Experimental Process Equipment and Maintenance.

Dept. A12A, Janitors, dropped from the first place tie in the preceding's week's report to second place in the present reporting period with 1.5 per cent of it's personnel absent. Third place in the Minor League was captured by Dept. A13S, Tools, with 1.76 per cent absent from it's roll.

Record By Departments

The complete record of Y-12 absenteeism for the week ending October 10 by departments follows:

More	than 50	OR LEAG Employed ercentage	UE s Scheduled Standing		
Dept.		Absent	10-10-48	10-3-48	
A12N		0.0	1		
B12H		1.1	2	1	
A12S		1.8	3	7	
A20N		2.0	4	-	
A17N		2.2	5	5	
B13L		2.4	6	13	
M12P		3.1	7	3	
A12G		3.29	8	2	
A13N		3.32	9	8	
B12L		3.33	10	4	
A16N		3.5	11	6	
H12L		3.96	12	10	
A14N		4.08	13	11	
B12C		4.11	14	9	
H12E		4.12	15	14	
A12M		6.7	16	12	
H12D		9.8	17	15	
	absentee	percentag		3.3 per	

cent, .3 per cent higher than the preced-ing week.

	MINO 15-49 Emp	OR LEAC				
	Percentage				Standing	
Dept.	A	bsent	10-10-4		10-3-48	
A12R		0.0		1	-	
A12L		0.0		1	1	
A12T		0.0		1	1	
M13P		0.0		1	1	
B12A		0.0		- 1	2	
A15N		0.0		1	5	
A12A		1.5		2	1	
A13S		1.76		3	12	
A12W		1.81		4	6	
A13T		2.22		5	8	
A12D		2.22.		5	10	
A14J		2.3		6	4	
B13C		2.5		7	1	
M12S		2.70		8	7	
A12N		2.72		9	3	
A13W		4.5		10	13	
A19N		6.7		11	9	
A12P		11.7		12	11	
Group	absentee		age		2.2 per	

ent, .2 per cent higher than the preceding

week.

The plant average for the week ending October 10, 1948, was three per cent. Sper cent higher than the preceding week.

## 'What An Atom Is' Shown In Atomic Energy Exhibit

(Continued From Page 1) What happens when an Atom is

The great effort required to develop Atomic Energy.

The basic operating principles of the gaseous diffusion and electro-

The Oak Ridge National Labora-How Atomic Energy may bring

the better life. Radioisotopes and their beneficial uses.

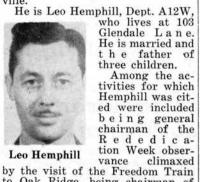
The need for International Control of Atomic Energy.

OLD SOLDIERS NEVER DIE

Looking forward to the day when he can become a full fledged tenderfoot scout is James W. Smith who belongs to the Waterloo, Ore., Cub Scout pack, Smith, a Civil War veteran, celebrated his 106th birthday recently day recently.

# **Honor By State** Jaycee Group

Interest shown in community affairs by a Y-12 employee has brought him designation as "Man Of The Quarter" in Tennessee by the state Junior Chamber of Commerce of the commerc merce at a recent meeting in Nash-



to Oak Ridge, being chairman of the Jaycee committee on future planning for Oak Ridge, work as member of the Jaycee house committee and his part in helping promote a carnival appearing in Oak Ridge for 17 days

Ridge for 17 days.
Outside of regular working hours in Y-12, Hemphill spent a total of 335 hours working on Jaycee projects. He was executive vice president of the Oak Ridge Jaycees last year and is a member of the board of directors this year.

# **Security Need Vital** As Controls Lacking

(Continued From Page 1) (Continued From Page 1) and Y-12 stress the absolute nec-essity of maintaining secrecy on all "restricted data," right down to the minutest of technical de-tails, that could be of the slightest assistance to any aggressor nation in its efforts to manufacture at-omic weapons. Likewise, new dis-coveries and new techniques must be safeguarded by all available

The secrecy and monopoly must he secrecy and monopoly must be maintained until adequate in-ternational controls are obtained. Meanwhile the United States can maintain its lead in atomic energy development only if it continues to learn more and produce more

than aggressor nations.
All Employees Must Cooperate

Every Y-12 employee's coopera-tion is needed to maintain this sec-recy and monopoly and every employee must know the security requirements of his particular job. Any employee who is not thoroughly acquainted with these requirements, on which the security of his home and country may rest, is urged to immediately ask his supervise. ed to immediately ask his supervis-

or for this information.

The Y-12 Security Office, North Portal, telephone 7125, is always ready to cooperate with and give security instructions to all em-

# Fire Alarm System Slated For Oak Ridge

Oak Ridge has taken another step toward maintaining it's rating as having the best fire prevention program of any city in the nation in the annual contest conducted by the National Fire Protection Association and the National Board of Underwriters.

magnetic plants at Oak Ridge for a cost of \$289,396. Completion is concentration of U-235.

The new system will include 263 umbered fire alarm boxes with an indicator at Fire Department headquarters which will show the exact location of the box from which the alarm is sent.

An auxiliary alarm system for responsible for the alarm.

Some folks can resist everything but temptation.

# NewDepartmentLeads Hemphill Given | Y-12 Exhibit Included In 'Man And The Atom'

(Continued From Page 1)
plants for the production of plutonium and the astounding mechanical "hands" developed by
General Electric. The remote
"hands" of the mechanical manipulator, which can profum feat imlator, which can perform feats im-possible for human hands, were designed for handling of radioac-

tive materials.
Other exhibits making up the show include:

MODEL OF A POSSIBLE POWER PLANT OF THE FU-TURE—The Kellex Corporation has developed a 10-foot animated model of a nuclear fueled stationary power plant typical of the type which may be expected in the fu-ture. Described as a NUEN (nuclear energy) reactor plant, the model includes a fuel processing and feed preparation unit, reactor, heat exchanger, gas turbine and generator.

generator.

THE FIRST "EXLOSION" IN MINIATURE OF AN ATOMIC BOMB—On January 25, 1939, Columbia University scientists demonstrated the first release of atomic energy from uranium fission. A replica of this experiment will be featured in a dynamic and spectacular manner. spectacular manner.

spectacular manner.

SCALE MODEL OF THE GASEOUS DIFFUSION SEPARATION METHOD FOR U-235—
The original scale model of the method developed at Columbia University for separating U-235 from U-238 will be on display. The K-25 gaseous diffusion plant is based on this original conception.

ATOM SMASHERS—There are three classic types of atom smashers, the Betatron, Cyclotron and Van de Graaf generator. All three have distinct jobs in the scheme of atom smashing. A live model of the Van de Graaf generator will be shown.

MINING AND REFINING OF

MINING AND REFINING OF PITCHBLENDE—The story of atomic energy begins in the mine in the form of pitchblende organitaining radium, uranium and other metals. These ores are mined like coal. There will be two separate exhibits on this subject.

AERIAL VIEWS OF AEC IN-STALLATIONS — A color motion picture of approximately four min-utes' duration will show aerial views of the AEC installations in Oak Ridge.

INTERNATIONAL CONTROL —The exhibit will give a graphic and interesting presentation of the problem and hopes of international control.

RADIOLOGICAL DEFENSE IN RADIOLOGICAL DEFENSE IN ATOMIC WARFARE—An exhibit on radiological defense in atomic warfare is shown for the first time. The exhibit was prepared by the Civil Defense Planning Office of the Office of the Secretary of National Defense.

UNITED STATES ATOMIC ENERGY COMMISSION—This exhibit gives a description of the

exhibit gives a description of the commission and its operations, in-cluding production plants, national research laboratories and the in-stitutions participating in the na-tional laboratory program, and the

users of radioisotopes.

OAK RIDGE INSTITUTE OF
NUCLEAR STUDIES—This exhibit shows the work pursued by
19 Southern universities participating in the activities of the Institute

stitute Organizations and companies

ciation and the National Board of Underwriters.

A new fire alarm system now is being installed throughout the city by the Tennessee Armature and Electric Company, of Knoxville, at a cost of \$289.396. Completion is Manufacturing Company, the Brookhaven National Laboratory, the Gulf Oil Corporation, Life Magazine, General Electric Company, Kellex Corporation, Mt. Sinai Hospital, New York; New York; City Days of the Sinai Hospital City Days of Hospital Ci York City Department of Hospitals, American Cancer Society, The National Military Establishapproximately 55 buildings equipped with sprinkler systems is included in the work. Forty-eight master boxes on buildings with the sprinkler system will show the location of the set-off sprinkler head agriculture, College of Physicians and Surgeons, Columbia University and Surgeons, Columbia University; Schenley Laboratories, the New York Times and the Office of National Defense. CARBIDE AND CARBON CHEMICALS CORPORATION

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# Paper Turns Clock Backward; Makes Davis School Mentor Again

"Backward, O backward, turn ville, Ky., newspaper, on digging time in thy flight!"

The preceding quotation was uttered by one Bill Davis, Dept. A13J, upon receipt of a clipping from the Louisville Courier-Journal which stated that Davis was coach of Benham, Ky., High School and gave him credit for having a team still unscored on for the present

football season. The article in-cluded a picture of Davis in his younger days.

Bill was known as "Es" back in those days, when Naismith was double - dribbling and the nickname was tabbed beneath the youth-

ful photo. Bill Davis ful photo. girl's
The catch is that the great Louis- Ridge.

in their "morgue," for a picture of Charley Davis, Bill's first cousin and present coach of Benham High School, emerged with a picture of Bill which was made during his reign as head coach of the same

Charley came to Benham as line coach several years ago under Bill, and suceeded him as head coach later after Bill had established a sparkling record as football and basketball mentor at the Kentucky school. Charley's p.esent team has mustered 139 points in their five victories this year to boast one of the top elevens in Eastern Kentucky.

Meanwwhile Y-12's Coach Davis continues to turn out championship girl's basketball teams in Oak

# Guards And Bums Tangle Tonight; Oilers Lead Tag Football League

to The Guards will see action tonight on the plant tag football
league for the second night in a
row abothey engage the Bums at 7
of the Second Park. The
Guardsmen were slated to meet the
league-leading Oilers last night.

yard line to cross the goal line for
the score. Lines tossed to Baer for
the extra point.

Lines Leads Leaders' Drive

Lines then took to the air and
ground for a drive down the field
for the second tally. Mason Oilers Take Two Straight

The Oilers were riding high in the league last week with two straight wins on Tuesday and Wednesday nights. Wednesday night's contest was scheduled as a carry-over from a rained-out tilt. Oilers smothered the Guards men 20 to 0 in the Tuesday night event, scoring 14 points in the sec-ond quarter and six in the third.

Baer and Lines accounted for the two touchdowns as the Oilers topped the Bums 14 to 0. The first tally was made as Baer intercepted a Bum's pass and scooted through the opposition from their own 44-

## **New Water Main Planned** For Oak Ridge Shortly

Invitations have been issued to contractors to bid on construction of a new 30-inch water main in Oak Ridge which will form the water supply to future housing developments in an area east of Scarboro Road and south of the Oak Ridge Turnpike.

The new alternate primary water main will extend from the water treatment plant near Y-12 to Jackson Square at Townsite and will supplement the existing supply in the vicinity of Jackson Square to meet the National Board of Fire Underwriters' requirements for Class Three rating on city water Three rating on city

#### **Living Is Cheap** In Germany

Who said there was inflation in Germany? Approximately 36,000 tons of captured German ammuni-tion was sold to an Italian firm for \$1, according to U. S. Army headquarters.

The ammunition will be demilistates that all captured ammunition in Germany must be demili-

Lines then took to the air and ground for a drive down the field for the second tally. Mason snagged Lines' pass for the extra

Officials "viewing the movies" of an earlier Bums' and Oilers' tilt discovered that Bill Cottrell snagged the pass for the lone touchdown instead of King.

The Bums and Guards fought to a scoreless deadlock on October 11, with neither team able to break through the strong defense of the

#### Oak Ridge Fliers Organize Club On "Share" Plan

An Oak Ridge fliers club now is being organized by Gilbert Berney, Dept. A17N, for the purpose of obtaining flying time and social activities for club members at a minimum of expense.

Both men and women are eligible to become members, and the club probably will be composed of members within a 30-mile radius of Oak Ridge.

To Have Own Instructors

A person does not have to know how to fly to join the organization. The club expects to have its own instructors for both transition and instrument flying and licenses may be earned through the club.

The members are expected to de-

cide whether to purchase or rent an aircraft for the use of its mem-

20 Members Are Needed
Approximately 20 members will
be necessary for the club to function properly. Any interested flier or prospective pilot should phone Berney at 7634 at Y-12 or at 6-4259

at Knoxville after 6 p. m.

Berney, owner of two planes at
the Island Home Airport in Knoxville, and former B17 flight en-gineer, has logged more than 3,000 flying hours since 1938, and he has offered to give any prospective tarized for use as scrap metal. An has offered to give any prospective Allied Control Council decree member a free ride on a Saturday or Sunday to determine whether or not they would be interested in the sport of flying.

# SPORTS

#### NEWS Y-12



Y-12 Photos By Vince Moor Y-12 Photos By Vince Moor Y-12 DADS AND MOTHERS HAVE PRACTICALLY PRODUCED A STARTING ELEVEN for the Jefferson Junior High School football team this season. The 10 prospective future 'All-Americans' are pictured above in a single wing formation. In the line, from left to right, are Bobby Parson, son of C. C. Parson, Dept. A20N; Billy Lanter, son of R. E. Lanter, Dept. A14N; Lee Stansbury, son of Ralph Stansbury, Dept. A12G; Tommy Garland, son of J. W. Garland, Dept. A13S; Eddie Davie, son of Hazel Davie Horton, Dept. H12L; and Don Miller, son of E. A. Miller, Dept. A16N. Shown in the backfield, from left to right, are Eugene Gardner, son of H. C. Gardner, Dept. A20N; Bill Helton, son of J. D. Helton, Dept. A20N; Bob Gilliland, son of R. P. Gilliland, Dept. A21N; and Harold Akers, son of W. M. Akers, Dept. A14N.

# Reshuffles Standing

A real shakeup occured in the C Bowling League last Tuesday night when the Materializers captured three points from the last place Orphans to tie the Knuckle-ousters. The Knucklebusters won three points from the Bldg. 9206 keglers, for first place in the league play with 15 wins and nine defeats each defeats each.
Guards Are Bumped Off

The Guards were bumped off of their top roost, which they occu-pied last week, to perch on the sec-

ond twig in the present standing with 14 wins and 10 defeats.

The Thin Pins split their four points with the Moles, yet moved up to the fourth slot from sixth place. The Hooks were responsible for the Guards turble. sponsible for the Guards tumble after taking three of the four points from the Guardsmen.

Materializers Have Highest

The Materializers bowled the highest game in last week's C League play for the series and handicap classes. Their series score was 2,862 pins and 1,023 pins for the handicap single game for the handicap single game. Bldg. 9206's Johnson bowled the

Bldg. 9206's Johnson bowled the top series handicap and scratch with 610 pins in the handicap and 502 pins in the scratch.

The Knucklebusters hold the season's high for the C League in the team single handicap class with 1,012 pins. The Materializers have amassed 2,929 pins in one night's play to top the team series handicap class.

### Y-12 Varsity Keglers Drop Four Points To K-25 Team

The Y-12 varsity keglers dropped four straight points to the K-25 bowlers in last week's City Bowling League play to join a four-way tie for fourth place in the stand-

Marot Jewelers continued their won and only one lost. Allards established the series high for the season with 2,687 pins toppled in the league play.

The home team scored 2,376 in the three-game series, while the victors knocked over 2,523 pins. The present standing in the

league follows: 
 Marot
 Jwlrs.
 19 1
 Clinch
 Radio
 10 10

 Allards
 14 4
 ORNL
 9 11

 K-25
 16 4
 R-A
 6 14

 Y-12
 10 10 Grocers
 5 15

 Address'graph
 10 10 S & B Market
 5 15

 Monroe
 10 10 Fairchild
 4 16
 Radio Marot Jwlrs.

#### PITY POOR PEDESTRIANS

In an effort to improve means of identifying hit and run auto-mobile drivers in Para State in Brazil, news dispatches report that motorists must now carry four license plates on their vehicles—one in front, one in back and one on each side of the car.

The fibbing to his wife is in ever thinking she oblive bottom.

# CBowling League Play Plant Pin League Spots Despite Losses WithFourTeams

The Y-12 bowling bugs swelled their ranks last week with the addition of a new league. Dept. H12L joined in on the wood knocking contests last Thursday night. Four teams have entered in the league. They are Cherry Pickers, captained by Bill Prater; Apple Knockers, captained by F. Waddell; Beetle Baums, led by M. J. Skinner; and Jim Crows, captained by Paul Wilkerson Paul Wilkerson.

The Cherry Pickers won four straight points from the Apple Knockers in the first night of play while the Beetle Baums took three from the Jim Crows and dropped one to put the Cherry Pickers in the league lead.

Officers of the league are president, Joe Patton; secretary, Ed Scofield; and treasurer, Carl

# Woodchoppers Hew · Way To D League Top

The Woodchoppers flashed into the D League bowling lead last Wednesday night by winning four consecutive points from the Overheads. They were aided in this three-notch elevation up the lad-der by the Splinters, who bopped the former league leading Scotties for four straight and by the Strikers, who tripped the Termites for three points. The Old Men captured three of the four points scored from the Pin Busters to tie the latter for fifth place in the league.

Team high single handicap honors went to the Strikers who toppled 1,010 pins. The Splinters strip-

Rueff, of the Termites, scored 270 for the individual high single handicap game, and Lavers, of the Splinters, bowled 637 for high individual series handicap.

#### Standings In Plant **Bowling Leagues**

	"B"	LE	AGUE		
Team	W	L	Team	W	L
All Stars	19	5	Maintenance	12	12
Rippers	16	8	Cubs	11	13
Woodpeckers	16	8	Bums	8	16
Comets	14	10	One-91	8	16
Wolves	14	10	A12Ms	8	16
Mules	13	11	Headpins	4	20
	"C"	LE	AGUE		
Team	w	L	Team	W	L
Materializers	15	9	Hooks	12	12
	1 1 2	100	Mark St. Combined	4.00	4.0

Knucklebstrs. 15 9 Bldg. 9206 Guards 14 10 Moles Thin Pins 13 11 Orphans "D" LEAGUE W L Team
13 7 Pin Busters
12 8 Old Men
11 9 Splinters
11 9 Overheads Team W'dchoppers Scotties Termites Strikers

The top three leaders in the B Bowling League remained in place last week although the first two teams dropped three points to their opposition in last Thursday night's play.

The Cubs took the league leading

All Stars to the cleaners by winning three points and dropping one while the A12Ms dosed out the same medicine to the second place

Rippers.

The Wolves stripped the Mules for four straight points to move them up the ladder two notches. The Woodpeckers snagged three points from the Headpins and lost one. Maintenance and One-91 split four points in the league play. The

four points in the league play. The Comets 'tallied three points from the Bums and dropped a single.

In the Wolves advance up the standing chart, they topped both team high single and series scores with 1,021 and 2,846 pins respectively. Craig, of the Wolves, added to his team's limelight by bowling the high individual scratch series with 583 and tying Barker, of the Headpins, with 654 for the individual high handicap series. Brothers, of the Comets, and Craig each ers, of the Comets, and Craig each toppled 212 pins in one game to score high games for the night.

## Ridge Recreation Group Plans Gymnaisum Events

A weekly schedule of recreational activities now available to Y-12 employees has been announced by the Oak Ridge Recreation Department.

V. O. Yon will conduct weekly volley ball practices on Monday nights at 7 o'clock at the Glenwood Gymnasium. Handball pracped the alleys of 2,861 pins for tice will be held at 7 p.m. on Monthe team high series handicap. The days at the Pine Valley gym-Termites nibbled their way into nasium. Bill Matthews will lead the team high series handicap. The tays the team high series handicap. The masium. Bill Matthews will lead team high scratch on 2,297 pins, and team high singles scratch with and team high singles scratch with same nights at 7:30 o'clock at the same nights. Badminton Police gymnasium. Badminton practices will be held on Tuesdays at the new Jefferson gymnasium at 8 p.m. A league will be formed at a latter date. Women may obtain their exercise on Thursdays at 7:45 p.m.

Ping Pong will be taught every night at the Ridge Recreation Hall. A league will be formed later.

#### Three Miles Of New Roadway **Includes Knoxville Artery**

Three miles of roadway will be built in Oak Ridge as part of the built in Oak Ridge as part of the long-range community development program. The project will include a new road to be built from a point on Scarboro Road near the site for the new entrance to Y-12 to a point on Oak Ridge Turnpike immediately south of New York Avenue. It will serve as an artery to Knoxville through Solway Gate w L nue. It will serve as an artery Knoxville through Solway Ga from the Oak Ridge Turnpike a the eastern section of the town. Knoxville through Solway Gate from the Oak Ridge Turnpike and